



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
-----------------	-------------	----------------------	---------------------	------------------

09/993,486

11/27/2001

Shinichi Watanabe

P20705

8162

7055 7590 09/17/2008
GREENBLUM & BERNSTEIN, P.L.C.
1950 ROLAND CLARKE PLACE
RESTON, VA 20191

EXAMINER

HAMZA, FARUK

ART UNIT

PAPER NUMBER

2155

NOTIFICATION DATE

DELIVERY MODE

09/17/2008

ELECTRONIC

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

gbpatent@gbpatent.com
pto@gbpatent.com

Office Action Summary	Application No. 09/993,486	Applicant(s) WATANABE ET AL.	
	Examiner FARUK HAMZA	Art Unit 2155	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 14 May 2008.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 12-27 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 12-27 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 27 November 2001 is/are: a) ☐ accepted or b) ☒ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____ |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

Response to Amendment

1. This action is response to the amendment filed on May 14, 2008. Claims 1-11 have been canceled. Claims 19-27 have been newly added. Claims 12-27 are pending.

Drawings

2. The drawings are objected to under 37 CFR 1.83(a). The drawings must show every feature of the invention specified in the claims. Therefore, the claim limitation “a converter configured to determine, based upon the telephone number of the receiving IP apparatus, a terminal type and a domain of the receiving IP apparatus and to determine, based upon terminal type, the IP address of the receiving IP apparatus” “the analyzer being further configured to determine, from a first portion of header of the received email, telephone number of a sender of the email, and to determine, from a second portion of the header of the received email, a telephone number of a destination of the received email, the destination of the received e-mail comprising the receiving IP apparatus” “the telephone number of the receiving IP apparatus being utilized to obtain the IP address of the receiving IP apparatus, and the obtained IP address of the receiving IP apparatus being utilized to transmit, without utilizing the telephone number of the receiving IP apparatus, the e-mail to the receiving IP apparatus” must be shown or the feature(s) canceled from the claim(s). No new matter should be entered.

Corrected drawing sheets in compliance with 37 CFR 1.121(d) are required in reply to the Office action to avoid abandonment of the application. Any amended replacement drawing sheet should include all of the figures appearing on the immediate prior version of the sheet, even if only one figure is being amended. The figure or figure number of an amended drawing should not be labeled as "amended." If a drawing figure is to be canceled, the appropriate figure must be removed from the replacement sheet, and where necessary, the remaining figures must be renumbered and appropriate changes made to the brief description of the several views of the drawings for consistency. Additional replacement sheets may be necessary to show the renumbering of the remaining figures. Each drawing sheet submitted after the filing date of an application must be labeled in the top margin as either "Replacement Sheet" or "New Sheet" pursuant to 37 CFR 1.121(d). If the changes are not accepted by the examiner, the applicant will be notified and informed of any required corrective action in the next Office action. The objection to the drawings will not be held in abeyance.

Claim Rejections - 35 USC § 112

The following is a quotation of the first paragraph of 35 U.S.C. 112:

The specification shall contain a written description of the invention, and of the manner and process of making and using it, in such full, clear, concise, and exact terms as to enable any person skilled in the art to which it pertains, or with which it is most nearly connected, to make and use the same and shall set forth the best mode contemplated by the inventor of carrying out his invention.

3. Claims 22-27 are rejected under 35 U.S.C. 112, first paragraph, as failing to comply with the written description requirement. The claim(s) contains subject matter which was not described in the specification in such a way as to

Art Unit: 2155

reasonably convey to one skilled in the relevant art that the inventor(s), at the time the application was filed, had possession of the claimed invention.

Applicant's specification failed to provide enough description of the claimed invention so an ordinary skill in the art can comprehend the invention. The specification does not support the negative limitation in claims 25-27.

Any negative limitation or exclusionary proviso must have basis in the original disclosure. If alternative elements are positively recited in the specification, they may be explicitly excluded in the claims. See *In re Johnson*, 558 F.2d 1008, 1019, 194 USPQ 187, 196 (CCPA 1977) ("[the] specification, having described the whole, necessarily described the part remaining."). See also *Ex parte Grasselli*, 231 USPQ 393 (Bd. App. 1983), *aff'd mem.*, 738 F.2d 453 (Fed. Cir. 1984).

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

4. Claims 12 and 15-17 are rejected under 35 U.S.C. 102(e) as being anticipated by the U. S. Patent No. 6,438,217, issued to Huna, hereinafter Huna.

Huna teaches the invention as claimed including a method for entering and transmitting a message at a future delivery time to a receiving device that is coupled either to a telephone-centric network or to a data-centric network (abstract).

Regarding claim 12, Huna teaches a server apparatus (Fig. 4, the message server 402) connected to a transmitting IP apparatus, the transmitting IP apparatus (Fig. 5, IP apparatus 504) transmitting an e-mail (Fig. 5, box 506) to a receiving IP apparatus (Fig. 5, fax 524, PC 532, etc.) via the server apparatus (Fig. 4, servers 402 and 404), the server apparatus comprising: a memory configured to store an IP address of the receiving IP apparatus in association with a telephone number of the receiving IP apparatus (15:13-21 and 15:46-48 - address book is stored in the memory of the server, and allows transmission of messages directly to the IP address of the recipient), the IP address of the receiving IP apparatus being distinct from an e-mail address (Fig. 7, "To:" field, indicating Richard's telephone number, which is distinct from Richard's IP Address. As per 15:46-48, the message is transmitted directly to Richard's IP address); a receiver configured to receive the e-mail from the transmitting IP apparatus (16:20-31 - message server 512 receives e-mails. User 502 sends message 508 in e-mail format, and IP apparatuses of Joe, Jim and Julie receive it), the e-mail including the telephone number of the receiving IP apparatus (Fig. 7, "To:" field, indicating Richard's telephone number); an analyzer configured to obtain, from the received e-mail, the telephone number of the receiving IP apparatus, and to obtain, from the memory, the IP address of the receiving IP apparatus associated with the telephone number of the receiving IP apparatus, the receiving IP apparatus of the IP address, being the same as the receiving IP apparatus of the telephone number (Fig. 7, "To:" field, indicating Richard's

Art Unit: 2155

telephone number, which is distinct from Richard's IP Address. As per 15:46-48, the message is transmitted directly to Richard's IP address); and a transmitter configured to transmit the received e-mail to the receiving IP apparatus, based on the IP address of the receiving IP apparatus (As per 15:46-48, the message is transmitted directly to Richard's IP address).

Regarding claim 15, Huna teaches the server apparatus according to claim 12, wherein a header of the e-mail from the transmitting IP apparatus includes the telephone number of the receiving IP apparatus (Fig. 7, "To:" field, indicating Richard's telephone number, which is distinct from Richard's IP Address).

Claim 16 is rejected in view of the above rejection of claim 12. Claim 16 is essentially the same as claim 12, except that it sets forth the invention as a system rather than a server apparatus, as does claim 12.

Claim 17 is rejected in view of the above rejection of claim 12. Claim 17 is essentially the same as claim 12, except that it sets forth the invention as a method rather than a server apparatus, as does claim 12.

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

This application currently names joint inventors. In considering patentability of the claims under 35 U.S.C. 103(a), the examiner presumes that

Art Unit: 2155

the subject matter of the various claims was commonly owned at the time any inventions covered therein were made absent any evidence to the contrary.

Applicant is advised of the obligation under 37 CFR 1.56 to point out the inventor and invention dates of each claim that was not commonly owned at the time a later invention was made in order for the examiner to consider the applicability of 35 U.S.C. 103(c) and potential 35 U.S.C. 102(e), (f) or (g) prior art under 35 U.S.C. 103(a).

5. Claims 13 and 18 are rejected under 35 U.S.C. 103(a) as being unpatentable over Huna in view of the U.S. Patent 6,748,057 to Ranalli et al., hereinafter Ranalli.

Huna teaches the invention substantially as claimed including a method for entering and transmitting a message at a future delivery time to a receiving device that is coupled either to a telephone-centric network or to a data-centric network (abstract).

Regarding claim 13, Huna teaches the server apparatus according to claim 12.

Huna does not explicitly teach the server apparatus wherein the transmitter transmits an error message to the transmitting IP apparatus when the memory does not store the IP address of the receiving IP apparatus in association with the telephone number of the receiving IP apparatus.

However, Ranalli in analogous art, related to directory service for enabling communications over a data network such as the Internet, and more particularly

to the use of a unique identifier (for example, a telephone number) with this directory as a means for acquiring the associated data network address information for an intended recipient of a communication, teaches industry standard mail transmission protocol, and transmission of an error message to the transmitting IP apparatus when the memory does not store the IP address of the receiving IP apparatus in association with the telephone number of the receiving IP apparatus. (See Ranalli, col. 5, lines 9-12, where Ranalli teaches the use of SMTP protocol as one possible mode of implementation. The industry standard implementation of SMTP (according to RFC 821, August 13, 1982) provides for error notification if the recipient is not registered (Reply Code 550)).

Therefore, it would have been obvious to one having ordinary skills in the art at the time the invention was made to incorporate the teachings of Ranalli regarding implementation of industry standard SMTP protocol for e-mail transmission into the teachings of Huna in order to simplify transfer of electronic mail and to implement other convenient features SMTP provides. Huna with incorporated teachings of Ranalli is hereinafter referred to as Huna/Ranalli.

Regarding claim 18, Huna/Ranalli teaches the server apparatus according to claim 12, wherein the transmitter transmits the received e-mail to the receiving IP apparatus, based on the IP address of the receiving IP apparatus, in accordance with a SMTP protocol (See Ranalli, col. 5, lines 9-12, where Ranalli teaches the use of SMTP protocol as one possible mode of implementation, and col. 5, lines 50-55, where Ranalli teaches conversion of an

Art Unit: 2155

e-mail address in a telephone number format into the IP address of the receiving IP apparatus).

6. Claim 14 is rejected under 35 U.S.C. 103(a) as being unpatentable over Huna in view of the U.S. Patent 6,735,617 to Goodman (hereinafter Goodman).

Regarding claim 14, Huna teaches the server apparatus according to claim 12, but fails to explicitly teach such server being connected to a H.323 gatekeeper, the H.323 gatekeeper storing the IP address of the receiving IP apparatus in association with the telephone number of the receiving IP apparatus, the analyzer being configured to determine whether the memory stores the IP address of to the receiving IP apparatus, and when it is determined that the memory does not store the IP address of the receiving IP apparatus, the transmitter accesses the H.323 gatekeeper to obtain the IP address of the receiving IP apparatus.

However, Goodman in analogous art, related to transmission of e-mail, i.e. facsimile copies of documents over H.323 network, teaches a server that is being connected to a H.323 gatekeeper, the H.323 gatekeeper storing the IP address of the receiving IP apparatus in association with the telephone number of the receiving IP apparatus (Goodman, Fig. 10, sender's mail server 950, and the outbound H.323 gateway 965. See also col. 4, lines 6-7, where Goodman teaches an H.323 gatekeeper's function of finding an IP address for a gateway associated with a telephone number), the analyzer being configured to determine whether the memory stores the IP address of the receiving IP apparatus (See

Art Unit: 2155

col. 4, lines 6-7, where Goodman teaches an H.323 gatekeeper's function of finding an IP address for a gateway associated with a telephone number), and when it is determined that the memory does not store the IP address of the receiving IP apparatus, the transmitter accesses the H.323 gatekeeper to obtain the IP address of the receiving IP apparatus (See col. 4, lines 65-67, where Goodman teaches that the "IP address – telephone number" look-up table may be maintained at the facsimile mail server or at the H.323 Gatekeeper).

Therefore, it would have been obvious to one having ordinary skills in the art at the time the invention was made to combine the alternative locations for a look-up table taught by Goodman with the teachings of Huna in order to take advantage of special records designating which IP addresses are mail servers and make cross-service connectivity in telecommunications network even more seamless and efficient (See col. 3, lines 62-67 and col. 4, lines 1-8 of Goodman).

7. Claims 19-27 are rejected under 35 U.S.C. 103(a) as being unpatentable over Huna and further in view of Naqvi (EP 0 967 779 A2) hereinafter referred as Naqvi.

Regarding claim 19-21, Huna teaches the server apparatus according to claim 12.

However, Huna does not explicitly teach the claim limitation of a converter configured to determine, based upon the telephone number of the receiving IP apparatus, a terminal type and a domain of the receiving IP apparatus and to

Art Unit: 2155

determine, based upon terminal type, the IP address of the receiving IP apparatus.

However, Naqvi teaches the claim limitation of a converter configured to determine, based upon the telephone number of the receiving IP apparatus, a terminal type and a domain of the receiving IP apparatus and to determine, based upon terminal type, the IP address of the receiving IP apparatus (Fig. 3, P[0016-0022]).

Therefore, it would have been obvious to one having ordinary skills in the art at the time the invention to modify Huna by adding functionality for a converter configured to determine, based upon the telephone number of the receiving IP apparatus, a terminal type and a domain of the receiving IP apparatus and to determine, based upon terminal type, the IP address of the receiving IP apparatus, which would provide real-time IP connection for facsimile transmission without the use of dedicated facsimile servers and reduce the impact of associated transmission delays. One would be motivated to do such to enhance system's performance.

Regarding claims 22-24, Huna teaches the server apparatus according to claim 12.

Huna does not explicitly teach the claim limitation of the analyzer being further configured to determine, from a first portion of header of the received email, telephone number of a sender of the email, and to determine, from a second portion of the header of the received email, a telephone number of a

destination of the received email, the destination of the received e-mail comprising the receiving IP apparatus.

However, Naqvi teaches the claim limitation of the analyzer being further configured to determine, from a first portion of header of the received email, telephone number of a sender of the email, and to determine, from a second portion of the header of the received email, a telephone number of a destination of the received email, the destination of the received e-mail comprising the receiving IP apparatus (Fig. 3, P[0016-0022]).

Therefore, it would have been obvious at the time of the invention to modify Huna by adding functionality for analyzer being further configured to determine, from a first portion of header of the received email, telephone number of a sender of the email, and to determine, from a second portion of the header of the received email, a telephone number of a destination of the received email, the destination of the received e-mail comprising the receiving IP apparatus, which would provide real-time IP connection for facsimile transmission without the use of dedicated facsimile servers and reduce the impact of associated transmission delays. One would be motivated to do such to enhance system's performance.

Regarding claims 25-27, Huna teaches the server apparatus according to claim 12.

Huna does not explicitly teach the claim limitation of the telephone number of the receiving IP apparatus being utilized to obtain the IP address of the

receiving IP apparatus, and the obtained IP address of the receiving IP apparatus being utilized to transmit, without utilizing the telephone number of the receiving IP apparatus, the e-mail to the receiving IP apparatus.

However, Naqvi teaches the claim limitation of the telephone number of the receiving IP apparatus being utilized to obtain the IP address of the receiving IP apparatus, and the obtained IP address of the receiving IP apparatus being utilized to transmit, without utilizing the telephone number of the receiving IP apparatus, the e-mail to the receiving IP apparatus (Fig. 3, P[0016-0022]).

Therefore, it would have been obvious to the ordinary skill in the art at the time of the invention to modify Huna by adding functionality for telephone number of the receiving IP apparatus being utilized to obtain the IP address of the receiving IP apparatus, and the obtained IP address of the receiving IP apparatus being utilized to transmit, without utilizing the telephone number of the receiving IP apparatus, the e-mail to the receiving IP apparatus, which would provide real-time IP connection for facsimile transmission without the use of dedicated facsimile servers and reduce the impact of associated transmission delays. One would be motivated to do such to enhance system's performance.

Response to Arguments

8. Applicant's arguments have been considered but are moot in view of the new ground(s) of rejection.

Conclusion

9. Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

10. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Faruk Hamza whose telephone number is 571-272-7969. The examiner can normally be reached on Monday through Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Saleh Najjar can be reached at 571-272-4006. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Art Unit: 2155

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 886-217-9197 (toll –free).

Faruk Hamza

Patent Examiner

Group Art Unite 2155

/saleh najjar/

Supervisory Patent Examiner, Art Unit 2155